

ABSTRACT

A plasma generating electrode 1 of the present invention includes two or more electrodes 2 disposed to face each other, and holding members 3 for holding electrodes 2 at a predetermined interval, and can generate plasma by applying voltage between electrodes 2. At least one of electrodes facing each other 2 has a plate-shaped ceramic body 6 serving as a dielectric body, and a conductive film 7 disposed inside the body 6, and the holding members 3 fix the opposite side end portions 5 (fixed end portions 5a) of electrodes facing each other 2 in the state of a cantilever in such a condition that electrodes 2 are held by holding members in the state of cantilevers of the different directions alternately at a predetermined interval as a whole. This relaxes the thermal stress and effectively prevents distortion and breakage of electrodes caused by to a temperature change.